



2001 Toxics Release Inventory

NORTH CAROLINA

Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	137,433,858
Air Emissions	115,130,332
Surface Water Discharges	9,887,436
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	765
Other On-site Land Releases	12,415,324
Off-site Releases (Transfers Off-site to Disposal)*	10,234,240
Total On- and Off-site Releases	147,668,098
Recycled On-site	248,360,511
Recycled Off-site	96,054,465
Energy Recovery On-site	33,635,298
Energy Recovery Off-site	10,881,206
Treated On-site	116,570,037
Treated Off-site**	8,786,214
Quantity Released On- and Off-site***	147,535,797
Total Production-related Waste Managed	661,823,529
Non-production-related Waste Managed	440,744
Transfers Off-site for Further Waste Management, including Disposal	
Recycling	92,137,112
Energy Recovery	11,112,800
Treatment	3,653,983
Publicly Owned Treatment Works (POTWs)	4,843,327
Metals and Metal Category Compounds*	27,379
Non-metal TRI Chemicals**	4,815,948
Other Off-site Transfers****	500
Transfers Off-site to Disposal (not including metals to POTWs)	10,923,359
Total Transfers Off-site for Further Waste Management, including Disposal	122,671,081

- * Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.
- ** Transfers to POTWs of non-metals are included in treated off-site waste management activity.
- *** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.
- **** Transfers reported without a valid waste management code.

For More Information . . .

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To obtain TRI data use
assistance, call TRI User
Support Service (TRI-US):
(202) 566-0250
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of North Carolina. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	8,206,105
Square Miles	48,718
Total Facilities	914
Total Forms	3,104
Form As	537

	Total
National Rank for Total On- and Off-site Releases*	
Rank	10
Pounds	147,668,098
National Rank for Total On-site Releases**	
Rank	9
Pounds	137,433,858
National Rank for Total Releases within State***	
Rank	13
Pounds	144,331,848
National Rank for Production-related Waste Managed	
Rank	15
Pounds	661,823,529

- * Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.
- ** Includes amounts released at the facility. Excludes amounts transferred to other sites.
- *** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	73,912,664	5	0	0	508,560	74,421,229	0	0	508,560
—	Nitrate compounds	17	9,021,444	0	500,122	1,763,183	11,284,766	1,726	1,742,237	20,946
67-56-1	Methanol	10,426,279	100,285	0	18,824	30,762	10,576,150	750	28,522	2,240
7664-39-3	Hydrogen fluoride	5,160,908	5	0	0	0	5,160,913	2,944	0	0
—	Barium compounds	27,881	58,615	0	4,350,804	363,548	4,800,848	62,110	268,824	105,724

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7439-92-1	Lead	3,202.96	558.47	0.00	178,656.02	370,936.47	553,353.92	27,539.87	16,545.50	354,392.90
—	Lead compounds	17,958.17	1,828.73	0.00	393,349.52	118,736.26	531,872.67	14,782.95	47,625.56	72,053.76
—	Polycyclic aromatic compounds	31,102.65	94.00	0.00	131.80	8,223.59	39,552.04	50.75	8,056.06	167.53
—	Mercury compounds	3,328.19	18.12	0.00	1,338.85	398.17	5,083.33	0.20	372.49	28.58
7439-97-6	Mercury	835.39	0.77	0.00	799.00	122.00	1,757.17	0.00	0.00	122.00
1336-36-3	Polychlorinated biphenyls (PCBs)	647.10	0.00	0.00	0.00	0.00	647.10	0.00	0.00	0.00
191-24-2	Benzo(g,h,i)perylene	457.87	14.80	0.00	8.50	71.61	552.77	0.00	59.51	12.10
—	Dioxin and dioxin-like compounds	1.10	0.01	0.00	0.27	1.38	2.75	0.00	1.35	0.02
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>497.289</i>	<i>2.457</i>	<i>0.000</i>	<i>121.733</i>	<i>624.205</i>	<i>1,245.683</i>	<i>0.000</i>	<i>613.422</i>	<i>10.784</i>
118-74-1	Hexachlorobenzene	0.00	0.00	0.00	0.00	0.10	0.10	0.00	0.10	0.00
79-94-7	Tetrabromobisphenol A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

*** No reports were submitted for these chemicals.

** The chemical ranking is based on the amounts in this column.



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On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
CP&L Roxboro Steam Electric Plant, Semora, Person	19,225,563	6,665	0	0	0	1,785,812	21,018,040	40	125
Duke Power Belews Creek Steam Station, Belews Creek, Stokes	12,343,978	5,305	0	0	0	1,274,562	13,623,845	1	0
Duke Energy Marshall Steam Station, Terrell, Catawba	11,304,766	8,305	0	0	0	1,999,778	13,312,849	2	0
CP&L Mayo Electric Generating Plant, Roxboro, Person	8,635,542	7,197	0	0	0	840,089	9,482,828	27,743	0
Smithfield Packing Co. Inc. Tar Heel Div., Tar Heel, Bladen	31,313	6,288,810	0	0	0	0	6,320,123	0	0
Duke Energy Plant Allen, Belmont, Gaston	5,211,675	43,382	0	0	0	1,060,130	6,315,187	0	0
CP&L-L. V. Sutton Steam Electric Plant, Wilmington, New Hanover	4,211,839	405	0	0	0	274,500	4,486,744	0	0
Duke Energy Cliffside Steam Station, Mooresboro, Rutherford	3,642,116	18,182	0	0	0	453,050	4,113,348	0	0
International Paper Riegelwood Mill, Riegelwood, Columbus	2,790,786	226,188	0	0	0	336,074	3,353,048	0	1,000
CP&L-H.F. Lee Steam Electric Plant, Goldsboro, Wayne	2,599,166	2,461	0	0	0	342,075	2,943,702	0	0

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
U.S. Army Range Facility For Fort Bragg, Fort Bragg, Cumberland	868.90	0.00	0.00	0.00	0.00	89,295.30	90,164.20	0.00	0.00
Duke Energy Marshall Steam Station, Terrell, Catawba	1,390.10	13.20	0.00	0.00	0.00	71,578.00	72,981.30	1.40	0.00
CP&L Roxboro Steam Electric Plant, Semora, Person	2,533.96	15.73	0.00	0.00	0.00	60,240.00	62,789.69	23.56	69.63
PCS Phosphate Co. Inc. Aurora Div., Aurora, Beaufort	303.10	0.00	0.00	0.00	0.00	61,542.10	61,845.20	0.00	0.00
U.S. Marine Corps Base Camp Lejeune Range Facility, Camp Lejeune, Onslow	277.00	0.00	0.00	0.00	0.00	46,096.00	46,373.00	0.00	0.00
Duke Power Belews Creek Steam Station, Belews Creek, Stokes	1,086.00	25.20	0.00	0.00	0.00	39,246.10	40,357.30	0.40	0.00
Duke Energy Plant Allen, Belmont, Gaston	800.00	72.40	0.00	0.00	0.00	38,130.00	39,002.40	0.20	0.00
CP&L Mayo Electric Generating Plant, Roxboro, Person	582.78	91.80	0.00	0.00	0.00	29,089.00	29,763.58	942.90	0.00
Duke Energy Riverbend Steam Station, Mount Holly, Gaston	260.00	14.70	0.00	0.00	0.00	16,034.00	16,308.70	7.90	0.00
Duke Energy Cliffside Steam Station, Mooresboro, Rutherford	560.00	381.60	0.00	0.00	0.00	15,050.00	15,991.60	0.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
CP&L Roxboro Steam Electric Plant, Semora, Person	0	0	1	0	0	0	21,006,958	21,006,959	0
Duke Power Belews Creek Steam Station, Belews Creek, Stokes	0	0	0	0	159,000	0	13,621,635	13,780,635	0
Duke Energy Marshall Steam Station, Terrell, Catawba	0	0	0	0	76,000	0	13,301,720	13,377,720	0
CP&L Mayo Electric Generating Plant, Roxboro, Person	0	0	0	0	0	0	9,513,432	9,513,433	0
Smithfield Packing Co. Inc. Tar Heel Div., Tar Heel, Bladen	0	0	0	0	2,376,467	0	6,320,122	8,696,589	0
Duke Energy Plant Allen, Belmont, Gaston	0	0	0	0	37,400	0	6,309,350	6,346,750	0
CP&L-L. V. Sutton Steam Electric Plant, Wilmington, New Hanover	0	0	0	0	0	0	4,484,083	4,484,084	0
Duke Energy Cliffside Steam Station, Mooresboro, Rutherford	0	0	0	0	55,000	0	4,115,000	4,170,000	0
International Paper Riegelwood Mill, Riegelwood, Columbus	0	0	0	0	1,167,280	0	3,354,098	4,521,378	0
Blue Ridge Paper Prods. Inc., Canton, Haywood	0	0	10,267,700	0	5,011,002	0	3,206,277	18,484,979	0

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Heritage Environmental Services L.L.C., Charlotte, Mecklenburg	0.00	0.00	0.00	0.00	0.00	0.00	125,000.00	125,000.00	0.00
Nucor Steel Hertford County, Cofield, Hertford	0.00	0.00	0.00	0.00	0.00	0.00	115,283.00	115,283.00	0.00
U.S. Army Range Facility For Fort Bragg, Fort Bragg, Cumberland	0.00	0.00	0.00	0.00	0.00	0.00	90,164.00	90,164.00	0.00
Duke Energy Marshall Steam Station, Terrell, Catawba	0.00	0.00	0.00	0.00	0.00	0.00	72,720.00	72,720.00	0.00
CP&L Roxboro Steam Electric Plant, Semora, Person	0.00	0.00	1.00	0.00	0.00	0.00	63,258.00	63,259.00	0.00
PCS Phosphate Co. Inc. Aurora Div., Aurora, Beaufort	0.00	35.00	0.00	0.00	0.00	0.00	61,881.00	61,916.00	0.00
U.S. Marine Corps Base Camp Lejeune Range Facility, Camp Lejeune, Onslow	0.00	1,760.00	0.00	0.00	0.00	0.00	46,096.00	47,856.00	0.00
Duke Power Belews Creek Steam Station, Belews Creek, Stokes	0.00	0.00	0.00	0.00	0.00	0.00	40,635.00	40,635.00	0.00
Duke Energy Plant Allen, Belmont, Gaston	0.00	0.00	0.00	0.00	0.00	0.00	39,350.00	39,350.00	0.00
CP&L Mayo Electric Generating Plant, Roxboro, Person	0.00	0.00	0.00	0.00	0.00	0.00	30,432.00	30,433.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.